

7 August 1964

MEMORANDUM FOR THE RECORD

SUBJECT: Trip Report - Meeting with Representatives [redacted]

1. On 21 and 22 July 1964 [redacted]

[redacted] met with representatives of [redacted]

[redacted] The principal company officials contacted were:

[redacted]
The purposes of the meeting were to (1) review the multi-sensor imagery and ground truth data acquired for the NPIC [redacted] project during the first part of July, (2) to derive the best method of organizing this material for final delivery to the NPIC, (3) to review the future plans [redacted] in its application of special sensors for various customers, (4) to determine the over-all capabilities of [redacted] as a contractor for various problems which could effect the NPIC in the future.

2. Concerning the NPIC [redacted] day-night sequential coverage project, the material collected by [redacted] for NPIC includes airborne [redacted] imagery at night, conventional photography during the day over the same targets and the collection of ground truth at the target sites. This was to be accomplished for a period of seven consecutive days and nights.

All programmed flights were made plus one additional night flight. The quality of the daylight aerial photography and the ground truth are considered excellent. The general quality of the night [redacted] is good but not as good as has been produced in the past. Most of the degradation which is present is due to fog and haze. However, it is significant that fair imagery was obtained through a considerable thickness of complete fog on one night mission. One roll of [redacted] imagery was apparently processed improperly resulting in poor dynamic range and reduced ground resolution. All of the imagery is considered quite useful for analysis.

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All [redacted] imagery, aerial photography and ground truth will be assembled in 112 target packets. The original negatives will be delivered to the NPIC in roll form. Delivery should be on or about 1 September 1964.

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3. [redacted] has obtained a Navy F4U aircraft (on bailment through the DD/S&T) for mounting various combinations of remote sensors for research purposes. P&DS will have access to the use of this aircraft and its sensor equipment through coordination with the DD/S&T/GRD if we have suitable collection requirements. The aircraft will be based at Dallas but will be capable of covering targets anywhere within reason.

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4. Other multi-sensor research programs were described briefly. These include projects with Eglin AFB, Corps of Engineers, NASA, etc. Specifically the following projects were mentioned:

a. Anti-Armor Sensor Study - for Detachment 4, Eglin AFB. A report is available on this study.

b. WESTAR - Waterways Experiment Station Analysis by Radar. This is a long-range continuing study on soil analysis by use of radar.

c. WESTAG - Waterways Experiment Station Analysis by Gamma. This is a soil analysis using the emissivity of gamma rays from various soil elements.

d. Project MOBILE - This includes target coverages of British Columbia, Alberta and Ft. Stockton, Texas using IR, radar, ultra-violet and simultaneous photography.

e. A project for US Steel employing IR and UV in correlation to detect the location of feldspar deposits in Utah.

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Distribution:

Orig [redacted]
cc [redacted]
cc - Multi-sensor general file
cc [redacted] cc Radar file,
cc - UV file, cc - Chrono

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